Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 6.1.3
Input Device:	Carousel	Date:	06/10/2015 09:27 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	04/20/2015 11:37 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product: CST Setup Beads, Part #: 910723
Lot ID: 51739, Expiration Date: 01/31/2016
Bead Lot Information: Available

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124979	-1	2.30	124826	2.29
Blue	F	SSC	125000	124975	-1	3.20	126070	3.06
Blue	E	FITC	17998	17621	-3	2.49	994	8.49
Blue	D	PE	23234	22582	-3	2.11	1019	7.59
Blue	B	PerCP-Cy5-5	69571	68344	-2	2.78	1799	12.31
Blue	A	PE-Cy7	77815	77818	0	3.75	1020	23.62
Red	C	APC	65936	65220	-2	2.41	3682	7.65
Red	A	APC-Cy7	100669	99443	-2	2.53	1964	7.67
Violet	B	V450	10405	9967	-5	4.50	621	8.69
Violet	A	V500	47250	46205	-3	4.31	2614	6.37

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	19627	8.33	592	13	N/A	N/A	Pass
Blue	F	SSC	62454	2.14	506	17	N/A	N/A	Pass
Blue	E	FITC	107	32.58	522	7	0.0275	26	Pass
Blue	D	PE	212	22.36	514	7	0.1906	101	Pass
Blue	B	PerCP-Cy5-5	218	37.06	598	8	0.0128	0	Pass
Blue	A	PE-Cy7	75	88.03	655	9	0.0164	0	Pass
Red	C	APC	343	25.74	581	3	0.0242	79	Pass
Red	A	APC-Cy7	123	37.07	562	3	0.0052	799	Pass
Violet	B	V450	65	42.83	462	12	0.0440	1778	Pass
Violet	A	V500	169	21.00	502	14	0.0154	98	Pass

Specifications

PMTV Delta from baseline: 50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)

Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 6.1.3
Input Device:	Carousel	Date:	06/10/2015 09:27 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	04/20/2015 11:37 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Spec. (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.64	47.70 - 71.54	N/A	N/A	-31.61	-31.42	0.73
Blue	20.47	16.35 - 24.53	1.27	1.00 - 1.50	0.00	0.00	1.19
Red	16.15	13.07 - 19.61	N/A	N/A	32.01	32.24	1.10

Window Extension: 7.00
FSC Area Scaling Factor: 0.84

Threshold

Threshold (FSC): 14352

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments